

ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ENFORCEMENT
NATIONAL ENFORCEMENT INVESTIGATIONS CENTER
BUILDING 53, BOX 25227, DENVER FEDERAL CENTER
DENVER, COLORADO 80225

SFUND RECORDS CTR
2385816

TO : Kathleen G. Shimmin
Field Operations Branch, Region IX

FROM : Dean F. Hill, Chief *Dean Hill*
Pesticides and Toxic Substances Branch

SUBJECT: Results of Polychlorinated Biphenyl Analyses

DATE: January 8, 1986

Attached is the analytical report for the determination of polychlorinated biphenyls (PCBs) in samples taken by your office in connection with an official investigation at the following site:

General Dynamics Convair Division

In summary, a high level of PCBs (710 ug/g) was detected in one of the soil samples as Aroclors 1254 and 1260.

Please advise if you have any questions regarding this analysis and when we may dispose of the remainder of the samples.

Attachment

cc: Karl R. Morthole, Regional Counsel, EPA Region IX
Ayn T. Schmit, Region IX

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TO : Dean F. Hill

DATE: January 8, 1986

FROM : Kenneth Wang

SUBJECT: Results of PCB Analysis of Samples from
General Dynamics Convair Division

On November 19, 1985 two oil samples and two wood shaving samples were received under official custody seal from Region IX. These samples were from the General Dynamics Convair Division. Analysis was requested for polychlorinated biphenyls (PCBs).

All four of the samples contained detectable levels of PCBs. The results are given below.

<u>Sample Number</u>	<u>Type of Sample</u>	<u>Concentration of Total PCBs, ug/g</u>	<u>Aroclors Present</u>
AS0070	Wood shaving	16 ug/g	1260
AS0071	Wood shaving	100 ug/g	1254, 1260
AS0072	Oil	710 ug/g	1254, 1260
AS0073	Oil	44 ug/g	1254, 1260

The oils were diluted in hexane and the wood shavings were extracted into hexane. The hexane was then cleaned with sulfuric acid and analyzed by electron-capture gas chromatography. A solvent blank was analyzed with the samples and it did not contain any significant interferences. The wood sample AS0071 was analyzed in duplicate with results of 100 and 108 ug/g for an average of 100 ug/g of total PCBs. The wood sample AS0070 was spiked with 25 ug/g of Aroclor 1212 and the recovery was 96%. The oil sample AS0073 was spiked with 25 ug/g of Aroclor 1242 and the recovery was 88%. Samples AS0072 and AS0073 were analyzed in duplicate with the following results.

<u>Sample Number</u>	<u>Concentration of Total PCBs ug/g</u>		
	<u>Result #1</u>	<u>Result #2</u>	<u>Average</u>
AS0072	710	700	710
AS0073	43	44	44